

CLAIMS

1. A device (10) for digital radio transmission of data including video information, characterized in that it comprises:

- 5      ▪ a video acquisition camera (11),
- a compression stage (15) capable of generating a digital signal from the signal output by video acquisition camera (11) with a compression rate at least in excess of 1:300,
- 10     ▪ a shaper stage (16) capable of inserting the compressed video signal into a frame (18),
- a digital modulation stage (24) capable of generating a digital radio signal,
- 15     ▪ a transceiver stage (20, 22) capable of transmitting the digital radio signal in a predetermined frequency band to similar transmission devices and capable of receiving signals that include frames having the same structure transmitted by similar devices.

2. A device as claimed in claim 1, characterized in that the video acquisition camera (4) generates an analog signal.

3. A device as claimed in claim 1, characterized in that the video acquisition camera (11) generates a digital signal.

25     4. A device as claimed in claim 1, characterized in that the compression stage (15) is incorporated in the video acquisition camera.

30     5. A device as claimed in claim 1, characterized in that the compression stage (15) uses MPEG-4 format compression algorithms.

35     6. A device as claimed in claim 1, characterized in that it comprises means of modifying the viewing angle of the camera remotely.

7. A device as claimed in claim 1, characterized in that the digital modulation stage (19, 24) uses Coded Orthogonal Frequency Division Multiplexing (COFDM).

5       8. A device as claimed in claim 1, characterized in that the digital modulation stage (19, 24) uses Wideband Code Division Multiple Access (WCDMA).

10      9. A device as claimed in claim 1, characterized in that the transceiver stages (20, 22) operate in single-frequency network or multiple-frequency network mode.